

## Exhibit 300: Capital Asset Summary

### Part I: Summary Information And Justification (All Capital Assets)

#### Section A: Overview & Summary Information

**Date Investment First Submitted:** 2010-09-16  
**Date of Last Change to Activities:** 2012-08-30  
**Investment Auto Submission Date:** 2012-02-29  
**Date of Last Investment Detail Update:** 2012-02-28  
**Date of Last Exhibit 300A Update:** 2012-08-30  
**Date of Last Revision:** 2012-08-30

**Agency:** 422 - National Science Foundation      **Bureau:** 00 - Agency-Wide Activity

**Investment Part Code:** 04

**Investment Category:** 00 - Agency Investments

**1. Name of this Investment:** Legacy Mission Applications

**2. Unique Investment Identifier (UII):** 422-000001328

#### Section B: Investment Detail

- 1. Provide a brief summary of the investment, including a brief description of the related benefit to the mission delivery and management support areas, and the primary beneficiary(ies) of the investment. Include an explanation of any dependencies between this investment and other investments.**

This investment includes a suite of legacy applications that provide comprehensive services for NSF staff, applicants, and awardees to manage the grants life cycle. These legacy applications support NSF business processes, providing effective mission-support technology solutions for NSF's ongoing grants management needs. NSF processes approximately 55,000 proposals annually. Every proposal is acted on: withdrawn, declined, or awarded. These capabilities support NSF program staff as they formulate and announce program opportunities; accept proposals; conduct the merit review process; make awards to fund proposals that have been judged the most promising by the rigorous and objective merit-review process; monitor program performance and results; and disseminate results of NSF funded research. These legacy capabilities are essential to carrying out NSF's mission in an efficient manner. These electronic business capabilities go far beyond automation of paper-based business processes. In addition to eliminating paper-based processes, they provide for lower operational cost, greater flexibility, increased capabilities, and faster deployments. For example, the electronic jacket functionality supports NSF staff in performing essential business functions related to proposal and award processing. Each electronic jacket serves as a container for all documents related to a specific proposal or award, providing a common place for program staff to assign proposals to program officers, record recommendations for declinations, process electronic correspondence, and facilitate

committee of visitors reviews. The electronic jacket functionality successfully supports over 280,000 electronic reviews and 430,000 items of electronic correspondence each year. Additionally, NSF processes all award actions electronically. All processes related to approving an award action are performed through these legacy applications, such as logging an award action, composing an award letter, reviewing the action, and approving the action. As we move forward to modernize NSF's suite of proposal and award management capabilities many of the functions will migrate to the Research.gov platform to better support the Foundations core mission.

**2. How does this investment close in part or in whole any identified performance gap in support of the mission delivery and management support areas? Include an assessment of the program impact if this investment isn't fully funded.**

NSF's Legacy Mission Applications electronically automate many of the Foundation's business processes which were formerly paper-based, including proposal reviews, award management, and NSF policy enforcement. NSF's Legacy Mission Applications enable NSF to more consistently enforce NSF proposal and award policies, protect proposals from damage or data loss, and electronically archive information in support of the NSF business process and to fulfill federal records retention requirements.

**3. Provide a list of this investment's accomplishments in the prior year (PY), including projects or useful components/project segments completed, new functionality added, or operational efficiency achieved.**

In Fiscal Year 2011, Legacy Mission Applications maintenance releases for research community services and NSF staff services included: interface enhancements to proposal data in eJacket for use by Program staff; enhancements to co-funding functionality; and, data warehouse functionality development. Other release activities included upgrades to support policy changes, to improve system performance by streamlining tasks, and to perform routine technology upgrades.

**4. Provide a list of planned accomplishments for current year (CY) and budget year (BY).**

In Fiscal Years 2012 and 2013, the following accomplishments for NSF's Legacy Mission Applications are planned: • Upgrades to repair aging technology, • Technical implementation of changes to NSF grant management policy, • Preparatory activities to integrate legacy systems with NSF's modernized financial management system ("iTRAK"), and • Streamlining reviewer workflows and increased task automation.

**5. Provide the date of the Charter establishing the required Integrated Program Team (IPT) for this investment. An IPT must always include, but is not limited to: a qualified fully-dedicated IT program manager, a contract specialist, an information technology specialist, a security specialist and a business process owner before OMB will approve this program investment budget. IT Program Manager, Business Process Owner and Contract Specialist must be Government Employees.**

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## Section C: Summary of Funding (Budget Authority for Capital Assets)

1.

Table I.C.1 Summary of Funding

	PY-1 & Prior	PY 2011	CY 2012	BY 2013
Planning Costs:	\$0.0	\$0.0	\$0.0	\$0.0
DME (Excluding Planning) Costs:	\$0.0	\$0.0	\$0.0	\$0.0
DME (Including Planning) Govt. FTEs:	\$0.0	\$0.0	\$0.0	\$0.0
Sub-Total DME (Including Govt. FTE):	0	0	0	0
O & M Costs:	\$0.0	\$21.5	\$21.8	\$23.1
O & M Govt. FTEs:	\$0.0	\$4.2	\$4.3	\$4.5
Sub-Total O & M Costs (Including Govt. FTE):	0	\$25.7	\$26.1	\$27.6
Total Cost (Including Govt. FTE):	0	\$25.7	\$26.1	\$27.6
Total Govt. FTE costs:	0	\$4.2	\$4.3	\$4.5
# of FTE rep by costs:	0	19	19	19
Total change from prior year final President's Budget (\$)		\$25.7	\$26.1	
Total change from prior year final President's Budget (%)				

2. If the funding levels have changed from the FY 2012 President's Budget request for PY or CY, briefly explain those changes:

## Section D: Acquisition/Contract Strategy (All Capital Assets)

Table I.D.1 Contracts and Acquisition Strategy

Contract Type	EVM Required	Contracting Agency ID	Procurement Instrument Identifier (PIID)	Indefinite Delivery Vehicle (IDV) Reference ID	IDV Agency ID	Solicitation ID	Ultimate Contract Value (\$M)	Type	PBSA ?	Effective Date	Actual or Expected End Date
Awarded	4900	<a href="#">NSFDACS0733650</a>	GS00T99ALD0202	4735							
Awarded	4900	<a href="#">NSFDACS09T1713</a>	GS06F0334Z	4730							
Awarded	4900	<a href="#">NSFDACS08D1536</a>	GS23F9806H	4730							

**2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:**

This investment is classified as Operations and Maintenance and does not require EVM reporting

## Exhibit 300B: Performance Measurement Report

### Section A: General Information

**Date of Last Change to Activities:** 2012-08-30

### Section B: Project Execution Data

**Table II.B.1 Projects**

Project ID	Project Name	Project Description	Project Start Date	Project Completion Date	Project Lifecycle Cost (\$M)
3829	Preparation for iTRAK Migration (LMA)	Activities related to preparing for integration to iTRAK.			
3830	Services for Institutions (LMA)	Services in support of institutions policy driven changes for preparing and submitting proposals and improving performance.			
3831	Technology Upgrades (LMA)	Routine technology upgrades to hardware and software platforms.			
3832	Services for Staff (LMA)	Services in support of NSF staff policy driven changes for preparing and submitting proposals and improving performance.			

### Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Project ID	Name	Total Cost of Project Activities (\$M)	End Point Schedule Variance (in days)	End Point Schedule Variance (%)	Cost Variance (\$M )	Cost Variance (%)	Total Planned Cost (\$M)	Count of Activities
3829	Preparation for iTRAK Migration (LMA)							

## Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Project ID	Name	Total Cost of Project Activities (\$M)	End Point Schedule Variance (in days)	End Point Schedule Variance (%)	Cost Variance (\$M )	Cost Variance (%)	Total Planned Cost (\$M)	Count of Activities
3830	Services for Institutions (LMA)							
3831	Technology Upgrades (LMA)							
3832	Services for Staff (LMA)							

## Key Deliverables

Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days )	Schedule Variance (%)
3829	Preparation for iTRAK Migration (LMA) - Award Cash Management System - Requirements	Requirements gathering for ACM\$	2011-10-31	2011-10-31	2011-10-31	30	0	0.00%
3829	Preparation for iTRAK Migration (LMA) - Award Cash Management System - Design	Design activities for ACM\$	2011-12-31	2011-12-31	2011-12-31	60	0	0.00%
3829	Preparation for iTRAK Migration (LMA) - FAS Service Enablement - Requirements	Requirements gathering for FAS Service Enablement	2011-12-31	2011-12-31	2011-12-31	91	0	0.00%



## Section C: Operational Data

Table II.C.1 Performance Metrics

Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency
Improve percentage of 6 month time-to-decision for proposals	Months	Mission and Business Results - Management of Government Resources	Over target	70.000000	75.000000		75.000000	Semi-Annual
% of Recommendation of Awards processed electronically in EJacket	Percent	Technology - Effectiveness	Over target	95.000000	97.000000		98.000000	Monthly
% of electronic correspondence for Project Reports and Cost Share	Percent	Technology - Efficiency	Over target	90.000000	90.000000		90.000000	Monthly
Reduce number of days to process customer financial transactions	Days	Customer Results - Timeliness and Responsiveness	Over target	1.000000	75.000000		75.000000	Semi-Annual
Maintain % of Electronic Funds Transfer Certifications	Percent	Technology - Information and Data	Over target	100.000000	100.000000		100.000000	Semi-Annual